My first LaTeX document

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Abstract

This is a simple paragraph at the beginning of the document. A brief introduction about the main subject.

Lorem ipsum *dolor sit* amet, **consectetur adipiscing elit**, *sed do* eiusmod *tempor* **incididunt *ut* labore** et dolore *magna* aliqua.

Ut “enim” ad ”minim veniam”, quis ”nostrud” exercitation “ullamco“ laboris nisi ut aliquip ex ea commodo consequat.

Egestas quis ipsum suspendisse ultrices gravida.
Habitasse platea dictumst vestibulum rhoncus est pellentesque elit.
Nibh venenatis cras sed felis eget velit aliquet. Turpis egestas sed tempus urna et. Est sit amet facilisis magna etiam tempor.

Figure 1: A nice plot.

As you can see in figure 1, the function grows near the origin. This example is on page 1.

*Funded by the Overleaf team.

1. The individual entries are indicated with a black dot
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    (a) The individual entries are indicated with a black dot
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$E = mc^2$ is typeset in a paragraph using inline math mode—as is $E = mc^2$, and so too is $E = mc^2$.

The mass-energy equivalence is described by the famous equation

$$E = mc^2$$

discovered in 1905 by Albert Einstein.

In natural units ($c = 1$), the formula expresses the identity

$$E = m \tag{1}$$

These can be combined and nested to write expressions such as

$$T^{i_1 i_2 \ldots i_p}_{j_1 j_2 \ldots j_q} = T(x^{i_1}, \ldots, x^{i_p}, e_{j_1}, \ldots, e_{j_q})$$

We write integrals using $\int$ and fractions using $\frac{a}{b}$. Limits are placed on integrals using superscripts and subscripts:

$$\int_0^1 \frac{dx}{e^x} = \frac{e-1}{e}$$

Lower case Greek letters are written as ω δ etc. while upper case Greek letters are written as Ω Δ.

Mathematical operators are prefixed with a backslash as $\sin(\beta)$, $\cos(\alpha)$, $\log(x)$ etc.

Part I

First part

1 First section

This is the first section.

1.1 First subsection

This is the first subsection.

1.2 Second subsection

1.2.1 Subsubsection

1.2.1.1 paragraph

1.2.1.1.1 subparagraph

1.2.1.2 paragraph

1.2.2 Subsubsection

1.2.2.1 Subsubsubsection

1.2.2.1.1 Subsubsubsubsection

2 Second section

Unnumbered section

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

Col1	Col2	Col2	Col3
1	6	87837	787
2	7	78	5415
3	545	778	7507
4	545	18744	7560
5	88	788	6344

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